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IN SITU SPECTRORADIOMETRIC CALIBRATION
OF EREP IMAGERY
AND OCEANOGRAPHY OF BLOCK ISLAND SOUND

Monthly Progress Report - November 1973

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1. Introduction

This document constitutes the monthly progress report on "In Situ Spectroradiometric Calibration of EREP Imagery and Oceanography of Block Island Sound, Skylab EREP Investigation 069/070". This research is being conducted under National Aeronautics and Space Administration Contract No. NAS9-13308. The objectives of this investigation are:

(a) To relate radiometric spectra measurements to space-acquired imagery over test sites in Arizona under EREP task nos. 701224 and 701269.

(b) To determine the utility of sensor systems for oceanographic studies and the correlation of ground-truth acquired in Block Island Sound, New York, with the Skylab data collected under EREP task nos. 646609 and 646638.

2. Work Status

An evaluation of the aircraft imagery taken over Block Island Sound and New York waters on 12 September 1973 was made. Multispectral color composites of different frames covering the "ground truth" area are being made using the black-and-white imagery in different bands. Results of such additive color analysis will provide a direct comparison with the Skylab imagery and the ground truth taken on the same day.

Skylab data for task nos. 646609 and 646638 and the exact requirements for S192 data over the Arizona test site have not been received so far.